



bay restoration commission

STEWARDS OF SANTA MONICA BAY

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September 9, 2016

Agenda Item #3 a i

To: Executive Committee, SMBRC

From: Tom Ford, Executive Director

Subject: Proposition 84 Recommended Project List

Action Requested of the Executive Committee:

Direct staff to submit Proposition 84 Recommended Project List to the Santa Monica Bay Restoration Commission for consideration at its October 20, 2016 meeting.

Background:

Proposition 84, the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Bond Act of 2006, was passed by the voters of California on November 7, 2006. Proposition 84 allocated \$90 million to the State Water Resources Control Board (State Board) for coastal water quality improvement projects pursuant to the Clean Beaches Program (PRC§30915). Of this amount, \$18 million was made available to the SMBRC for projects that protect Santa Monica Bay beaches and coastal waters, including projects to prevent contamination and degradation of coastal waters and watersheds, and projects to protect and restore the Bay's marine, freshwater, and terrestrial habitats. Proposition 84 requires the SMBRC and State Board to work together to ensure that all projects are consistent with Clean Beaches Program requirements.

To date, the SMBRC has released two Proposition 84 RFPs and recommended 10 projects totaling \$9,220,500 to the State Board for funding. Two of those projects, totaling \$2 million, could not be implemented, and the recommendations were subsequently rescinded by the Governing Board. The SMBRC has approximately \$9 million available for project recommendations.

In November 2015, the SMBRC released its third Prop 84 RFP for the remaining \$9 million in available funds. The RFP focused on assisting responsible agencies in meeting the requirements of the new Los Angeles County Municipal Separate Storm Sewer System Permit (MS4 Permit). The application period closed on January 15, 2016. Ten qualifying applications totaling \$17,663,354 in funding requests were received by the submittal deadline.

SMBRC staff reviewed all proposals for completeness and eligibility and determined that all ten applications met the minimum requirements for technical review by the Clean Beaches Santa Monica Bay (CBSMB) Task Force.





In February 2016, staff distributed a subset of proposals to each member of the task force for independent review. CBSMB Task Force and Commission staff reviewed the proposals for technical feasibility and ability meet the priorities laid out in the RFP.

On March 3, 2016 staff met with the CBSMB Task Force to discuss the proposal evaluations. Based on those discussions, staff determined that additional information from some applicants was needed prior to submitting a Recommended Project List (RPL) to the Executive Committee and Governing Board.

In April 2016, staff met with three applicants at potential project sites to discuss questions and concerns that arose during discussions with the CBSMB Task Force. After reviewing additional information gathered from the applicants and conducting the site visits, staff developed additional project recommendations which were reviewed at the CBSMB Task Force meeting on August 30th, 2016.

Brief descriptions of the recommended projects are supplied below. Appendix A provides a list of all projects that were submitted under the RFP.

Project Name: **Culver Boulevard Realignment and Stormwater Infiltration/Retention Regional Project**
Applicant: **City of Culver City**
Amount Requested: **\$6,000,000**
Amount Recommended: **\$3,300,000**
Total Project Cost: **\$16,550,000**

The Culver Boulevard Realignment and Stormwater Infiltration/Retention Regional Project (Project) is located in Culver City and drains to Ballona Creek. The site is located in the Ballona Creek watershed, within public right-of-way along Culver Boulevard between Sepulveda Boulevard and Elenda Street. The proposed system will include a belowground infiltration/retention basin situated underneath the median, capable of capturing/treating the 85th percentile, 24-hour design storm runoff from a drainage area of 800 acres. Runoff from 647 acres will be infiltrated while the remaining 153 acres will be retained, treated, and re-used as irrigation for the median. The project will capture a maximum of 42.79 acre-feet of runoff during a storm event, and 100% of the dry weather flow from the drainage area.

TMDLs Addressed (Per Applicant's Application): Ballona Creek Estuary Toxic Pollutants, Ballona Creek Metals, Ballona Creek, Ballona Estuary, and Sepulveda Channel Bacteria, and Ballona Creek Trash



Project Name: Westwood Neighborhood Greenway Project

Applicant: City of Los Angeles, Bureau of Sanitation

Amount Requested: \$3,500,000

Amount Recommended: \$2,200,000

Total Project Cost: \$4,360,000

The project is located at the new Westwood/Rancho Park light rail station (Expo Line) at the intersection of Westwood and Exposition Boulevards in the Ballona Creek watershed. The applicant proposes to divert and treat flows from a stormdrain that captures runoff from 2,400 acres of drainage area into two bioswales paralleling the rail line to improve water quality in the receiving waters. The stormdrain discharges into Sepulveda Canyon Channel, a tributary to Ballona Creek. Components include a flow diversion structure, solids removal devices, media filters, bioswales, cisterns, and return-flow structures. The project site is located on city-owned parcels adjacent to the light rail stop. The project is expected to treat up to 340,000 gallons of dry-weather runoff per day and up to 640,000 gallons (1.96 acre-feet) from the 85th percentile, 24-hour storm. Average annual flow treated by the project will range from 50 to 250 acre-ft.

TMDLs Addressed (Per Applicant's Application): Ballona Creek, and Sepulveda Channel Bacteria, Ballona Creek and Estuary Metals and Toxics, Ballona Creek Trash, Ballona Creek Wetlands Sediment and Exotic Vegetation, Santa Monica Bay Nearshore and Offshore Debris, Santa Monica Bay Bacteria.

Project Name: Ladera Park Water Quality Enhancement Project

Applicant: County of Los Angeles, Department of Public Works

Amount Requested: \$2,000,000

Amount Recommended: \$1,700,000

Total Project Cost: \$9,600,000

Ladera Park is located at the intersection of W. Slauson Ave and Ladera Park Ave. in the City of Los Angeles. The park is owned by the County of Los Angeles and is within the Ballona Creek watershed. Through the combination of pre-treatment, retention, and infiltration facilities, the applicant proposes to treat and retain the entire 85th percentile 24-hour storm volume (5.1 acre-feet) of stormwater runoff and all non-stormwater runoff from a 110-acre tributary area. The facility will divert flows from a stormdrain at the northern end of Ladera Park to an infiltration basin to be constructed under an unused open space at the northeast corner of the Park. A pretreatment facility will incorporate trash separation devices, media/cartridge filters, and ultra-violet (UV) treatment system for flows that will be used for irrigation purposes. The treated runoff will enter a temporary storage chamber where the non-stormwater runoff and runoff from very small storms can be used for irrigation purposes. In addition, the Project will incorporate additional low impact development (LID) green infrastructure on the adjacent streets to capture runoff adjacent to Ladera Park.



TMDLs Addressed (Per Applicant's Application): Ballona Creek Metals, Toxics, Bacteria, and Trash, Ballona Creek Wetlands Sediment and Invasive Exotic Vegetation, Santa Monica Bay DDT and PCB, and Santa Monica Bay Beaches Bacteria.

Project Name: **Gates Canyon Park Project**

Applicant: **County of Los Angeles, Department of Public Works**

Amount Requested: **\$1,350,000**

Amount Recommended: **\$1,200,000**

Total Project Cost: **\$3,125,000**

The project is located at 25801 Thousand Oaks Blvd. in Calabasas. The 8.2 acre park is within a low density residential portion of the upper Malibu Creek Watershed and is under the joint jurisdiction of the County of Los Angeles and the City of Calabasas. The applicant proposes to construct a diversion from an existing storm drain to a proposed underground detention gallery at Gates Canyon Park. The Project will capture up to the 85th percentile, 24-hour storm from 105 acres of single family residential property tributary to this project, and provide infiltration as well as water storage capacity through a gallery below the park's open space. The stored water will be utilized to irrigate Gates Canyon Park during the dry season. The Project will also include hydrodynamic separators for pretreatment and flow meters to determine the diversion rate.

TMDLs Addressed (Per Applicant's Application): Malibu Creek Watershed Nutrients, Malibu Creek and Lagoon Sedimentation and Nutrients to address Benthic Community Impairments, Malibu Creek and Lagoon Bacteria, Malibu Creek Trash, Santa Monica Bay Beaches Wet- and Dry-Weather Bacteria, Santa Monica Bay Nearshore and Offshore Debris, Santa Monica Bay DDTs and PCBs.

Project Name: **Santa Monica Bay Catch Basin Insert Project**

Applicant: **City of Rancho Palos Verdes**

Amount Requested: **\$708,514**

Amount Recommended: **\$600,000**

Total Project Cost: **\$1,012,163**

The City of Rancho Palos Verdes will partner with the Cities of Palos Verdes Estates and Rolling Hills Estates to install 1,368 Connector Pipe Screen (CPS) units in existing catch basins draining to the Santa Monica Bay. The CPS units are designed to reduce storm water pollution by stopping trash from flowing into the Bay. CPS inserts are installed inside catch basins, in front of the catch basin's outlet pipe, trapping trash and debris inside the catch basin while allowing filtered storm water to exit into the storm drain infrastructure. The proposed project will help mitigate trash and marine debris, and assist these cities in complying with the requirements of the 2012 MS4 Permit. The Palos



Verdes Peninsula is situated in the southwestern portion of Los Angeles County which are bounded to the north by the City of Torrance, to the east by the San Pedro area of the City of Los Angeles, and to the south and west by the Pacific Ocean. Although a large area of the peninsula is within the Dominguez Channel watershed, the proposed project will be located entirely within the Santa Monica Bay watershed.

TMDLs Addressed (Per Applicant's Application): Santa Monica Bay Nearshore and Offshore Debris

Appendix A. List of Project Proposals Submitted under the Proposition 84 RFPs

Project Name	Project Description	Applicant	Amount Requested
Westwood Neighborhood Greenway Project	Located in a 2,400 acre sub-drainage area of the Ballona Creek Watershed on city-owned parcels adjacent to the new Westwood/Rancho Park light rail station (Expo Line), this project proposes to divert and capture 67,000 to 340,000 gallons per day of urban runoff dry-weather flow from a stormdrain into two parallel bioswales. Components includes flow diversion structure, solids removal divides, media filters, day-lighted swale for UV exposure, and return-flow structures.	City of Los Angeles Bureau of Sanitation	\$3,500,000
Winter Canyon Biofiltration Project	Located in the Malibu Civic Center area, this project proposes a biofiltration system using vegetated swales, biofilters and trash screens upstream and adjacent to 9 drain inlets with trash screens. Wet-weather flows in excess of the design filtration rate will by-pass the biofilter and discharge into the existing storm drain inlet. The number of drainage inlets (9) and the size of the catchment area needing pollutant reduction (21.9 acres) is based upon the projected runoff from the 90th percentile wet-year storm event.	City of Malibu	\$1,468,500



Ladera Park Water Quality Enhancement Project	Located adjacent to Baldwin Hills in the Ballona Creek watershed, this project proposes to treat then store and infiltrate the 85th percentile 24-hour storm volume of 5.1 acre-feet of stormwater runoff and all the non-stormwater runoff from the 110-acre tributary area through the combination of pre-treatment, retention, and infiltration facilities. The main goals are to divert flows from a stormdrain to an infiltration basin to be constructed under an unused open space. A pretreatment facility will incorporate trash separation devices, media/cartridge filters, and an ultra-violet (UV) treatment system for flows that will be used for irrigation purposes.	County of Los Angeles Department of Public Works	\$2,000,000
Gates Canyon Park Project	Located at the Gate Canyon Park in Calabasas in the upper Malibu Creek Watershed, this project proposes to construct a diversion from an existing storm drain to a proposed underground detention gallery at the 8.2 acre Gates Canyon Park. The Project will capture up to the 85th percentile storm from 105 acres of single family residential property tributary to this project, and provide infiltration as well as water storage capacity through a gallery below the park's open space. The stored water will be utilized to irrigate the Park during the dry season.	County of Los Angeles Department of Public Works	\$1,350,000
Marina del Rey - Parking Lot 9 Stormwater Best Management Practice Project	Located in Marina del Rey, this project proposes Installation of two sets of bioswales and biofiltration units to facilitate the capture and treatment of all the 1.5 acre parking lot's stormwater runoff for up to the 90th percentile 24-hour storm event. The Project will filter-out pollutants and redirect the filtered runoff to the existing catch basins before being discharged into the harbor.	County of Los Angeles Department of Public Works	\$300,000



Viewridge Super Green Streets Project	Located in the northern Santa Monica Bay watershed, this project proposes Construction of 45 bio-filtration units and affiliated diversion pipes and solid separators in four separate, but a total of 80.7 acres of single-family residential areas including Viewridge, Topanga Canyon, Chagall, and Bellini. The Project will provide flow-through biofiltration BMPs to treat the 85th percentile storm water flows and total design flow rate for this Project is 9.6cfs.	County of Los Angeles Department of Public Works	\$900,000
Culver Boulevard Realignment and Stormwater Infiltration/Retention Regional Project	Located in the Ballona Creek Watershed, this project proposes belowground infiltration/retention basin situated underneath the street median, capable of capturing/treating the 85th percentile, 24-hour design storm runoff from a drainage area of 800 acres, including infiltration of runoff from 647 acres and retaining and treatment of the remaining 153 acres for reuse as irrigation for the median. The project will capture a maximum of 42.79 acre-feet of runoff during a storm event, and 100% of the dry weather flow from the drainage area.	City of Culver City	\$6,000,000
Santa Monica Bay Catch Basin Insert Project	Located on the Palos Verdes Peninsula, this project proposes to retrofit Connector Pipe Screen (CPS) units in as many as 1,368 catch basins in the Cities of Rancho Palos Verdes, Palos Verdes Estates, and Rolling Hills Estates. Phased installations will occur during a 24-month period beginning in May 2016 and will include high-priority locations that are city-owned or do not require a County permit.	City of Rancho Palos Verdes	\$708,514



Las Virgenes Creek Restoration Phase II	Located in the Las Virgenes Creek tributary of the Malibu Creek Watershed, this project proposes to implement creek and riparian corridor restoration through debris removal, fish passage barrier modifications downstream of Meadow Creek Lane, thinning and pruning of hazardous vegetation, addition of retention pools, removal of non-native invasive species and replanting with native riparian species to establish a diverse canopy of native vegetation to enhance habitat value.	City of Calabasas	\$968,840
West Hollywood Green Alley	Located in the Ballona Creek Watershed, this project proposes to implement LID retrofits on municipal parcels in several alleyways within the City of West Hollywood. The project will use the method of permeable paving be designed to maximize the opportunities for other features such as rain gardens. While the final paving material has not been chosen, the alleyway will be designed to capture the entire runoff volume from the 85th percentile 24-hour storm event.	City of West Hollywood	\$467,500
Total Amount Requested			\$17,663,354